

# SlimLine - LN

## Temperature Test Chambers - *liquid nitrogen cooled*



- Modern styling, compact design
- 90 to 288 litre capacity
- Wide temperature range
- Fast ramp rates
- Extensive range of options
- Indirect LN2 cooling for maximum safety
- Reliable long term operation
- Single phase mains power
- Factory calibrated



**SlimLine-LN temperature test chambers are designed for general purpose laboratory and test applications where small chamber size is important, and product loading is relatively low. Liquid nitrogen (LN2) is used for cooling; this is expanded through an evaporator coil to avoid any operator exposure to cryogenic temperatures and ensure maximum safety. An interlock switches the heating and cooling off when the door is opened. The nitrogen gas exhaust must be vented through an external wall to prevent oxygen depletion.**

All SlimLine chambers are now fitted with *SIMPLEtouch* programmers which include an easy to use touch-screen display (see separate brochure for details).

**SlimLine-LN Model Range – liquid gas cooled thermal test chambers:**

Prefix model number with **TC/SlimLine/** for cyclic temperature control.

Model	Internal dimensions mm			Volume Litres	External dimensions mm			Temperature range °C	
	w	d	h		w	d	h	min	max
<b>450/LN/-70</b>	450	450	450	90	725	935	1225	-70	180
<b>600/800/LN/-70</b>	600	600	600	288	875	1285	1330	-70	180

All models	
Temperature range	-80 to +200°C
Thermal ramp rate (empty chamber)	±10°C/minute
Thermal gradient*	2°C (4°C>100°C)
Temperature fluctuation*	±0.3°C
* after stabilisation	



SlimLine 600/800 with optional stand and shelf

Standard options (additional cost)		
<b>CP50</b>	50 mm diameter cable port	Includes silicone rubber bung
<b>CP100</b>	100 mm diameter cable port (n/a on 300 model)	Includes silicone rubber bung
<b>PP</b>	Product protection thermostat	Sets upper and lower trip temperatures
<b>S450 S600/800</b>	Perforated stainless steel shelf (select required size)	Includes adjustable shelf supports (12.5 mm pitch)
<b>W300</b>	300 mm square, heated multi-pane window	Includes chamber interior light
<b>ECD</b>	Extended cold dwell	Includes door frame heater and automatic de-frost
<b>ST450 ST600/800</b>	Chamber stand with two locking wheels	Height = 565 mm

Agent:



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*Specifications may vary as part of our policy of continuing product improvement*

Sharetree products are designed, manufactured and supported in the UK.



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MEMBER

